1st and Final bill

Name of work: Construction of CC roads and drains at Allalasandra in ward no-04.

Work Order No: EE (Project) YNK Zone/ W.o/ 83 /2017-18 dt: 18-12-2017.

JOB NUMBER: 004-18-000007.

Estimate Cost: 50.00 lakhs

As No: BBMP / EE / Project/YNK.Z/AA/54/2017-18 dt. 9-10-2017.

Ts No : BBMP / CE/YNK.Z/TS/ 237 /2017-18 dt : 10-10-2017.

Name of Contractor : Sri K Achuta Murthy.

MEASUREMENTS

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).	Cum.							
	Premeasument Recorded vide excel sheet page no 1 to 2						275.63	93.83	25862.00
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	cum							
	Premeasument Recorded vide excel sheet page no 2						241.80		
							241.80	216.12	52258.00

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
	Qty as in item no 1 and 2						**517.43**	**92.34**	**47779.00**
11	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17	cum							
	Premeasument Recorded vide excel sheet page no 2 to 3								
							119.89	**345.56**	**41429.00**
12	KSRRB M400-6.1. **Construction of granular sub-base by providing close graded material, crushed stone** aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).	cum							
	Premeasument Recorded vide excel sheet page no 3								
							89.96	1797.60	**161712.00**

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix **1:3:6 with OPC cement @** 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17	Cum							
	Premeasument Recorded vide excel sheet page no 4								
							126.43	**5773.67**	**729965.00**
5	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	cum							
	for damage portion								
			2	15.00	0.60	0.80	14.40		
			2	16.00	0.60	0.80	15.36		
							29.76	**4791.12**	**142584.00**
6	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1)	Sqm							
			2	15.00	1.30		39.00		
			2	16.00	1.30		41.60		
			2	15.00	1.30		39.00		
			2	11.00	1.30		28.60		
							148.20	**110.78**	**16418.00**

Measurements Recorded on 16/01/18

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Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Quintal							
	Premeasument Recorded vide excel sheet page no 5to6						108.109		821296
							108.109	7597.56	821367.00
7	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 (Page No 17., I.No.4.46.2 of KPWD S.R 2016-17).	Cum							
	RCC DRAIN BED								
	From H Krishappa house to Ashokamma house		1	15.00	1.40	0.20	4.20		
			1	9.30	1.40	0.20	2.60		
			1	30.00	1.40	0.20	8.40		
			1	19.00	1.40	0.20	5.32		
			1	11.00	1.40	0.20	3.08		
			1	9.70	1.40	0.20	2.72		
			1	30.00	1.40	0.20	8.40		
			1	24.00	1.40	0.15	5.04		
	side walls								
			2	15.00	0.20	1.20	7.20		
			2	9.30	0.20	1.20	4.46		
			2	30.00	0.20	1.20	14.40		
			2	19.00	0.20	1.20	9.12		

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	11.00	0.20	1.20	5.28		
			2	9.70	0.20	1.20	4.66		
			2	30.00	0.20	1.20	14.40		
			2	24.00	0.20	1.20	11.52		
	vent concrete								
	From H Krishappa house to Ashokamma house								
			1	30.00	1.00	0.075	2.25		
	culverts						0.00		
			1	4.40	1.50	0.30	1.98		
			2	4.40	0.30	1.20	3.17		
			1	4.40	1.50	0.30	1.98		
			2	4.40	0.30	1.20	3.17		
	for RCC covering from near shaniswara temple to anjenamma house		1	15.00	(2.9+2.4)/2	0.23	3.45		
			1	17.70	(2.4+2.4)/2	0.23	9.77		
	vent concrete		1	15.00	(2.9+2.4)/2	0.12	1.80		
			1	17.70	(2.4+2.4)/2	0.15	6.37		
							144.71		
							144.71	11906.45	1722982.00
10	Providing precast slab of 250 mm thick including cost of all materials labour curing transportation loading unloading etc complete as per the direction of engineer in charge (Date Rate)	sqm							
	for culvert								
			7	1.50	0.60		6.30		
			7	1.50	0.60		6.30		
			6	1.50	0.60		5.40		
							18.00	5514.00	99252.00
9	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge	Cum							
	for RCC drain								
	From H Krishappa house to Ashokamma house		1	15.00	1.20		18.00		
			1	9.30	1.20		11.16		
			1	20.00	1.20		24.00		
			1	19.00	1.20		22.80		
			1	11.00	1.20		13.20		
			1	9.70	1.20		11.64		
			1	30.00	1.20		36.00		
			1	23.00	1.20		27.60		
	for existing drain		1	10.00	1.20		12.00		
							176.40	2257.97	398306.00

Ramanjeendra 20/01/18

Checked.